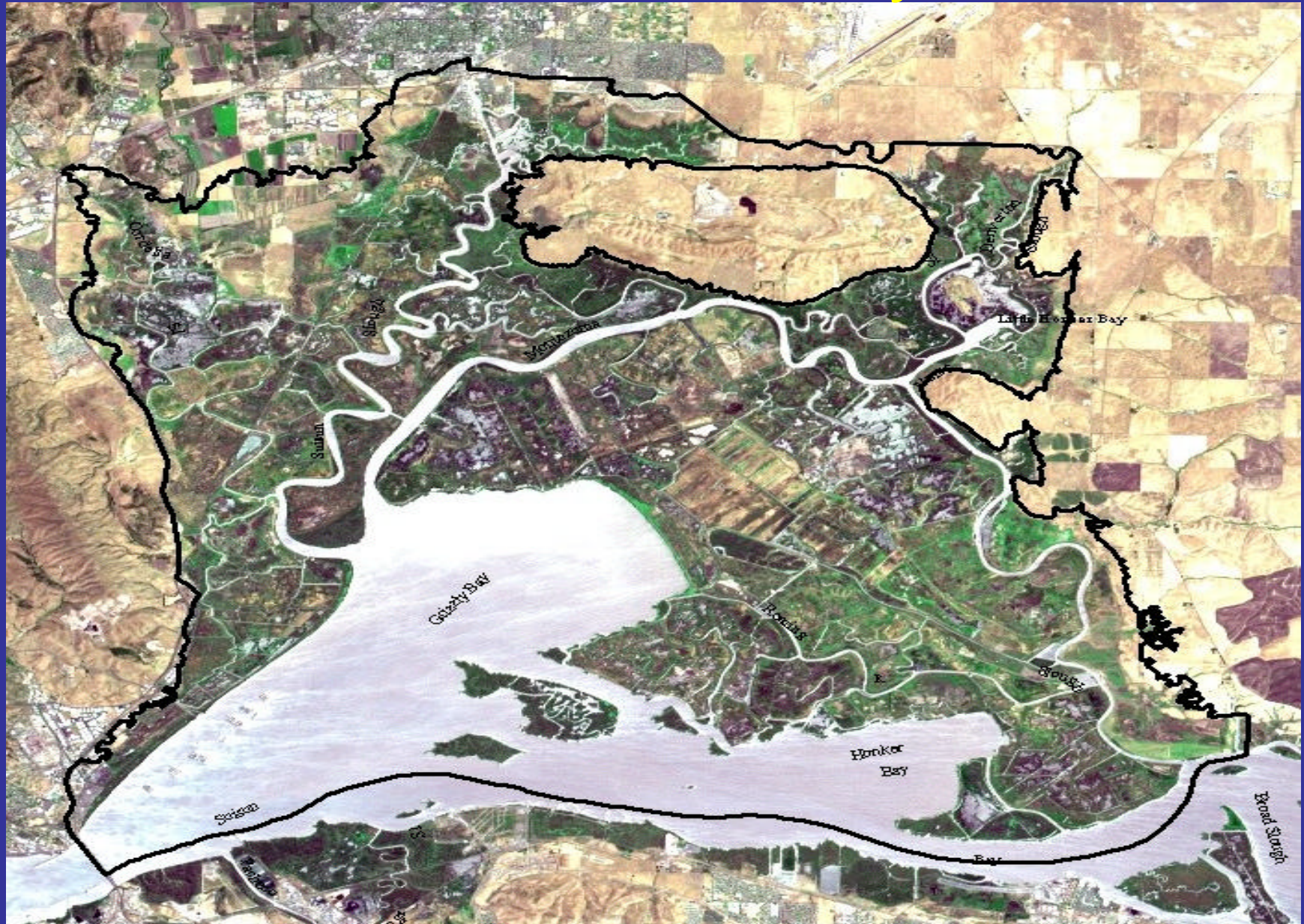


Suisun Marsh Current Conditions



Laurie Briden
Calif. Dept. of Fish and Game

Suisun Marsh Study Area



Watershed

Inflow:

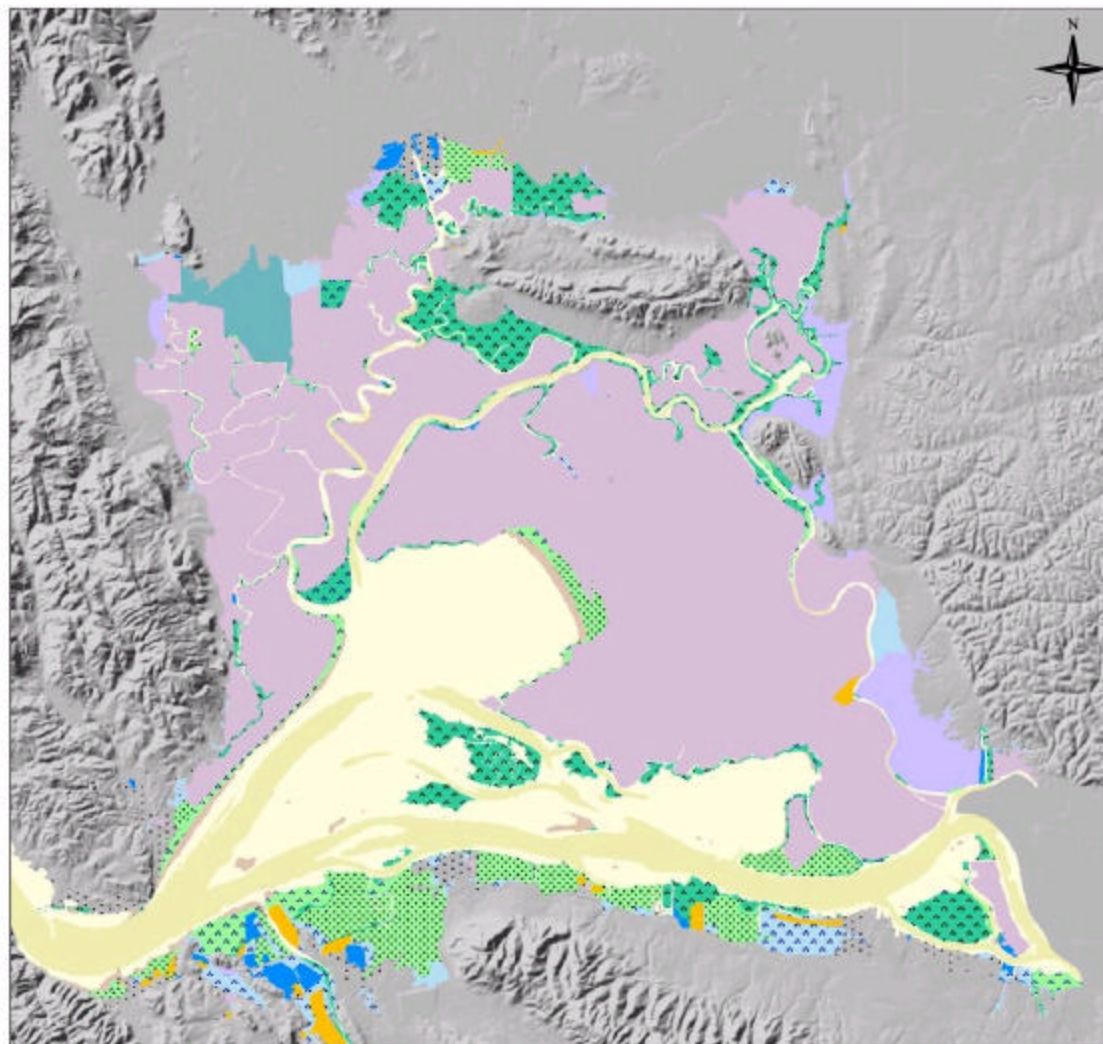
Sacramento & San Joaquin Rivers

Creeks

Water Treatment Plant



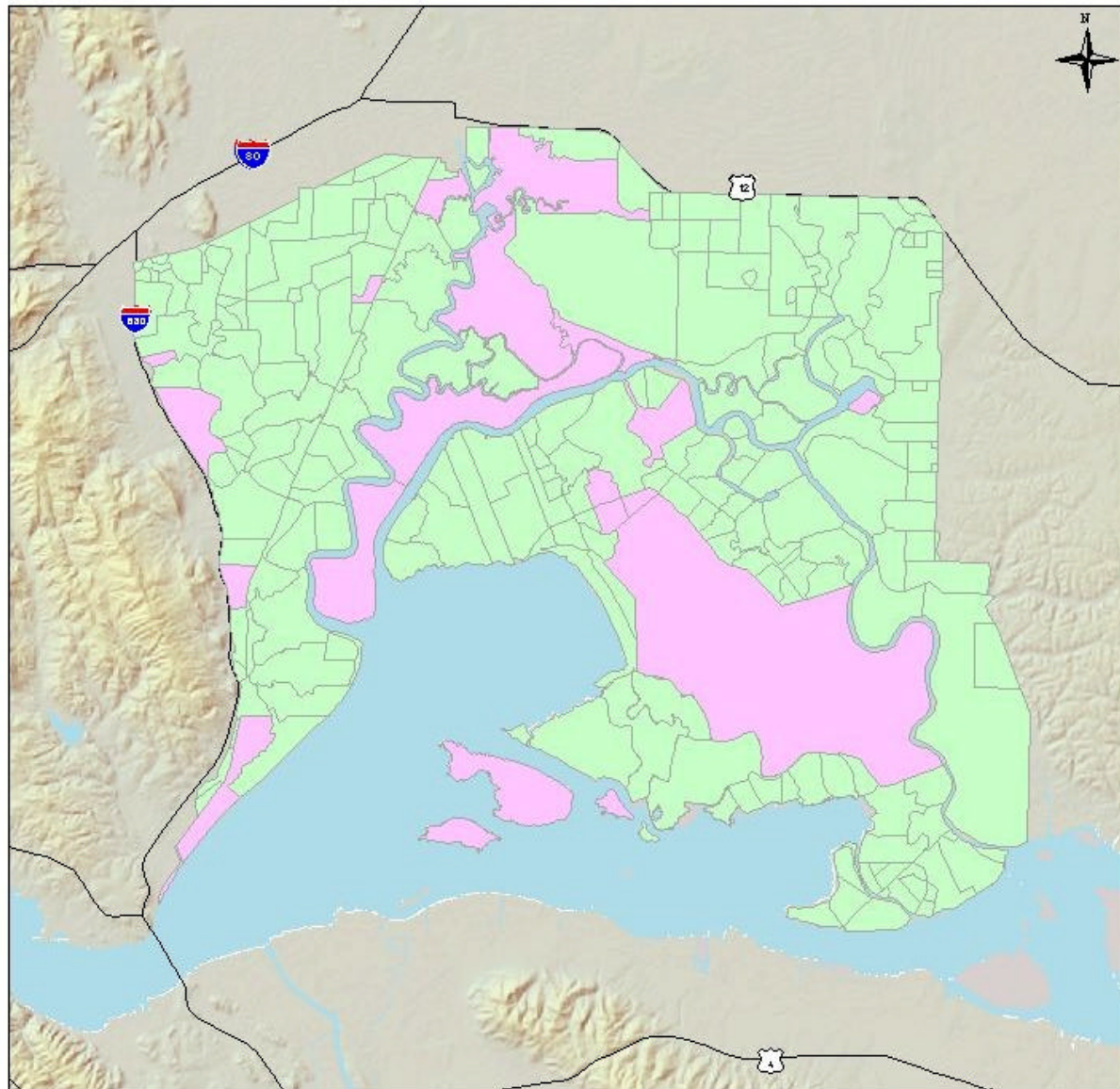
Habitats



Suisun Marsh
circa 1997

- Deep Bay
- Shallow Bay
- Deep Major Channel
- Shallow Major Channel
- Bay Flat
- Channel Flat
- Old High-Elevation Tidal Marsh
- Young High-Elevation Tidal Marsh
- Young Low/Mid-Elevation Tidal Marsh
- Muted Tidal Marsh
- Diked Marsh
- Farmed Bayland
- Grazed Bayland
- Storage or Treatment Basin
- Managed Marsh
- Ruderal Bayland
- Undeveloped Fill
- Undeveloped Island (Hillslope)
- Undefined Bayland
- Developed Island or Fill

Land Ownership

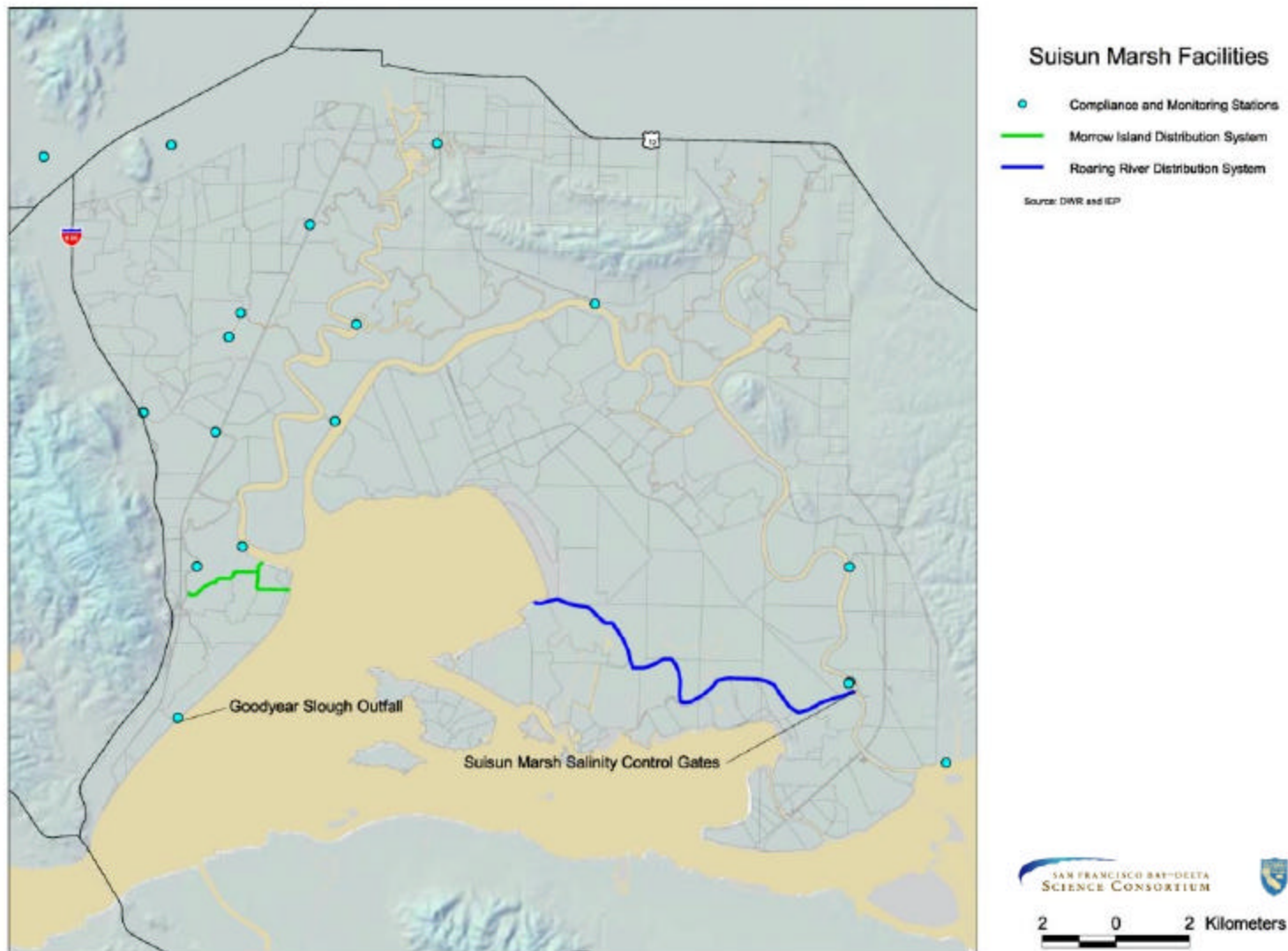


Ownership

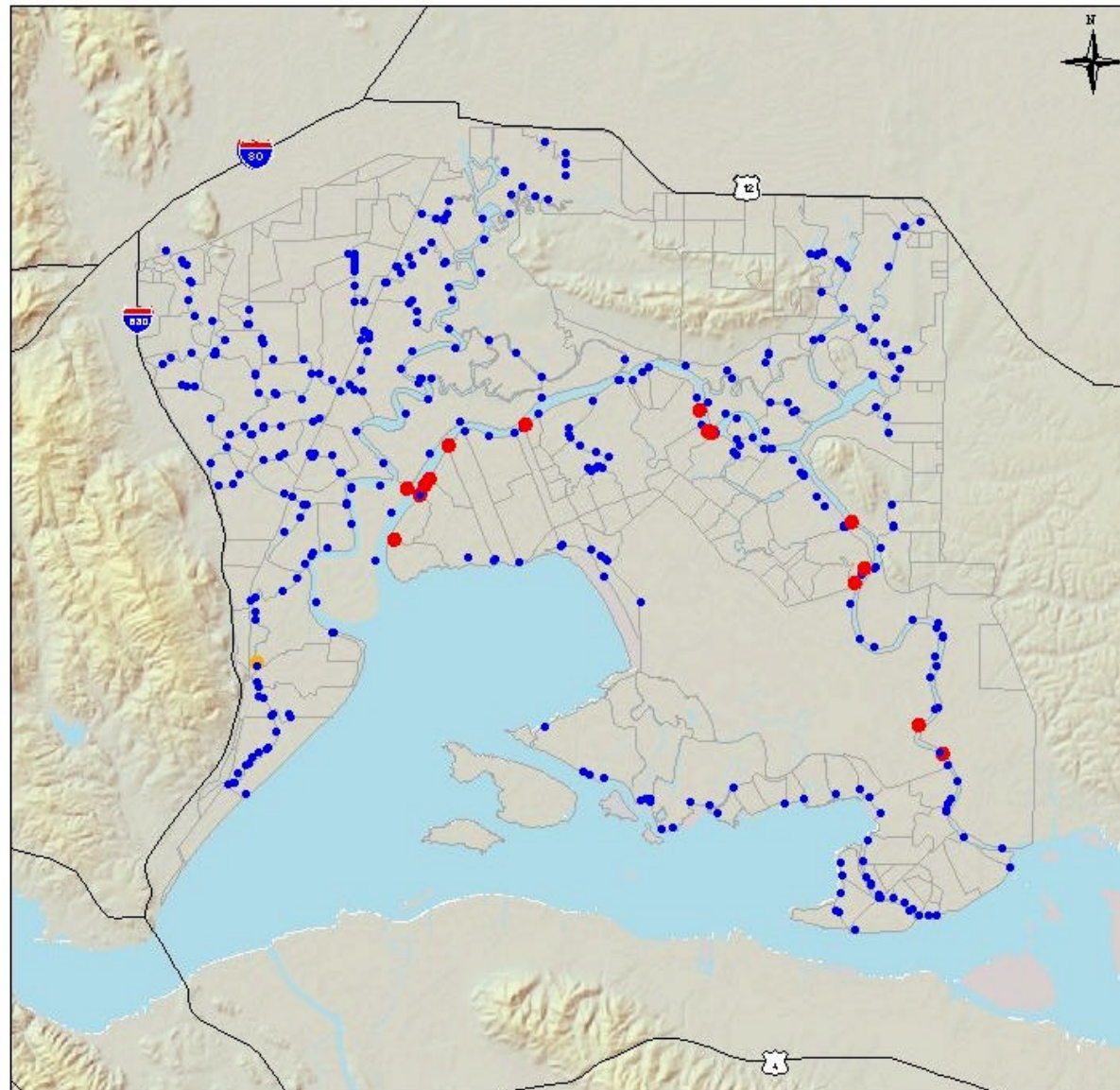


Source: SRCD, DFG

Facilities



Water Diversion Structures



Water Control Structures

Includes diversions, drains, and gates

- Screened
- Unscreened
- Proposed for Screening

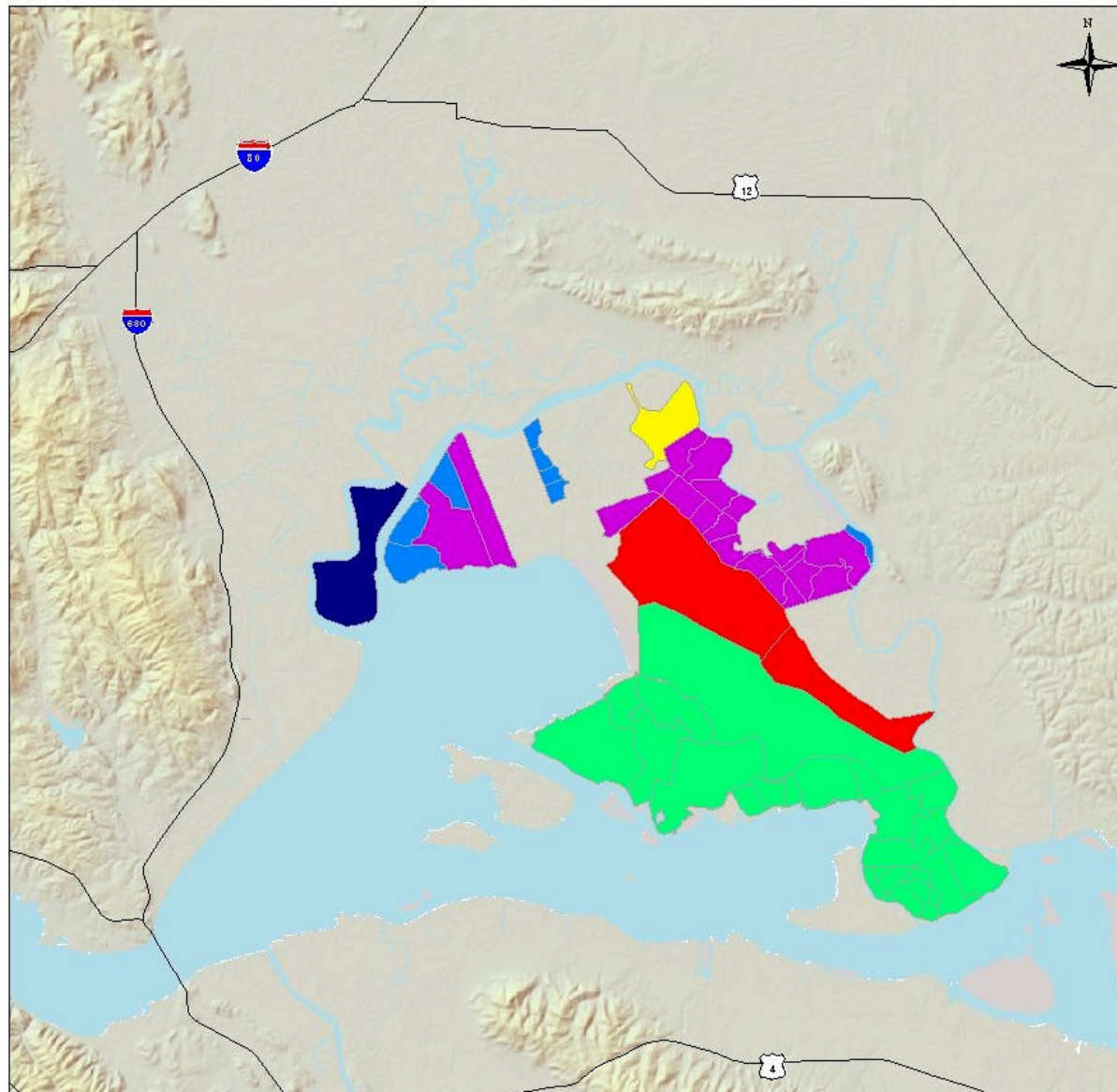
Source: DFG, SRCD

SAN FRANCISCO BAY-DELTA
SCIENCE CONSORTIUM



2 0 2 Kilometers

Areas with Screened Diversions



Areas Flooded by
Screened Diversions

- DFG Grizzly Ditch
- DFG Island Slough
- DWR/USBR Lower Joice Island
- DWR/USBR Roaring River
- SRCD Phase 1
- SRCD Phase 2

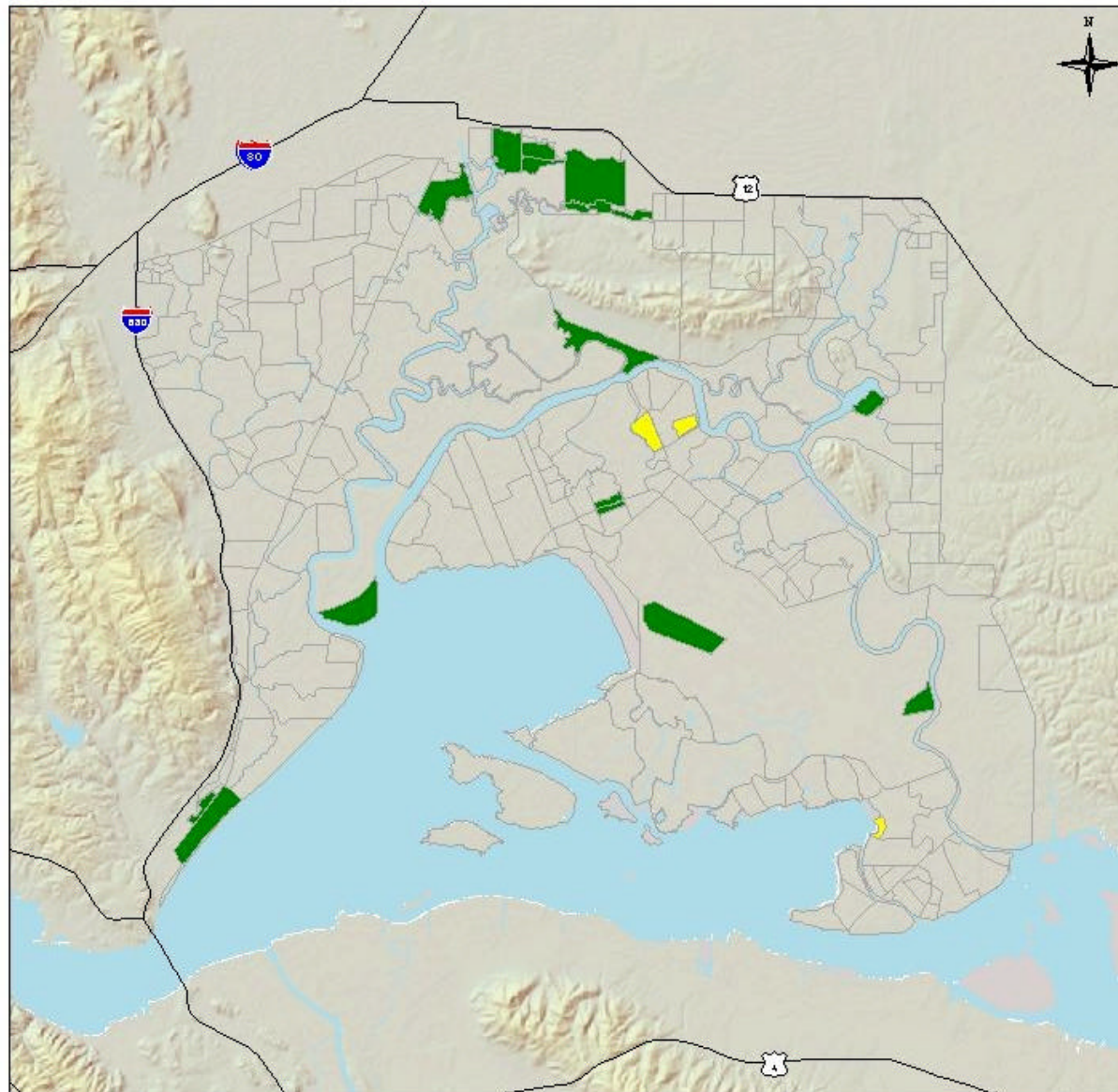
Source: DFG, SRCD

SAN FRANCISCO BAY-DELTA
SCIENCE CONSORTIUM





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SMHM Conservation Areas



Salt Marsh Harvest Mouse Conservation Areas

-  Existing SMHM Conservation Areas
-  Other SMHM Mitigation Areas

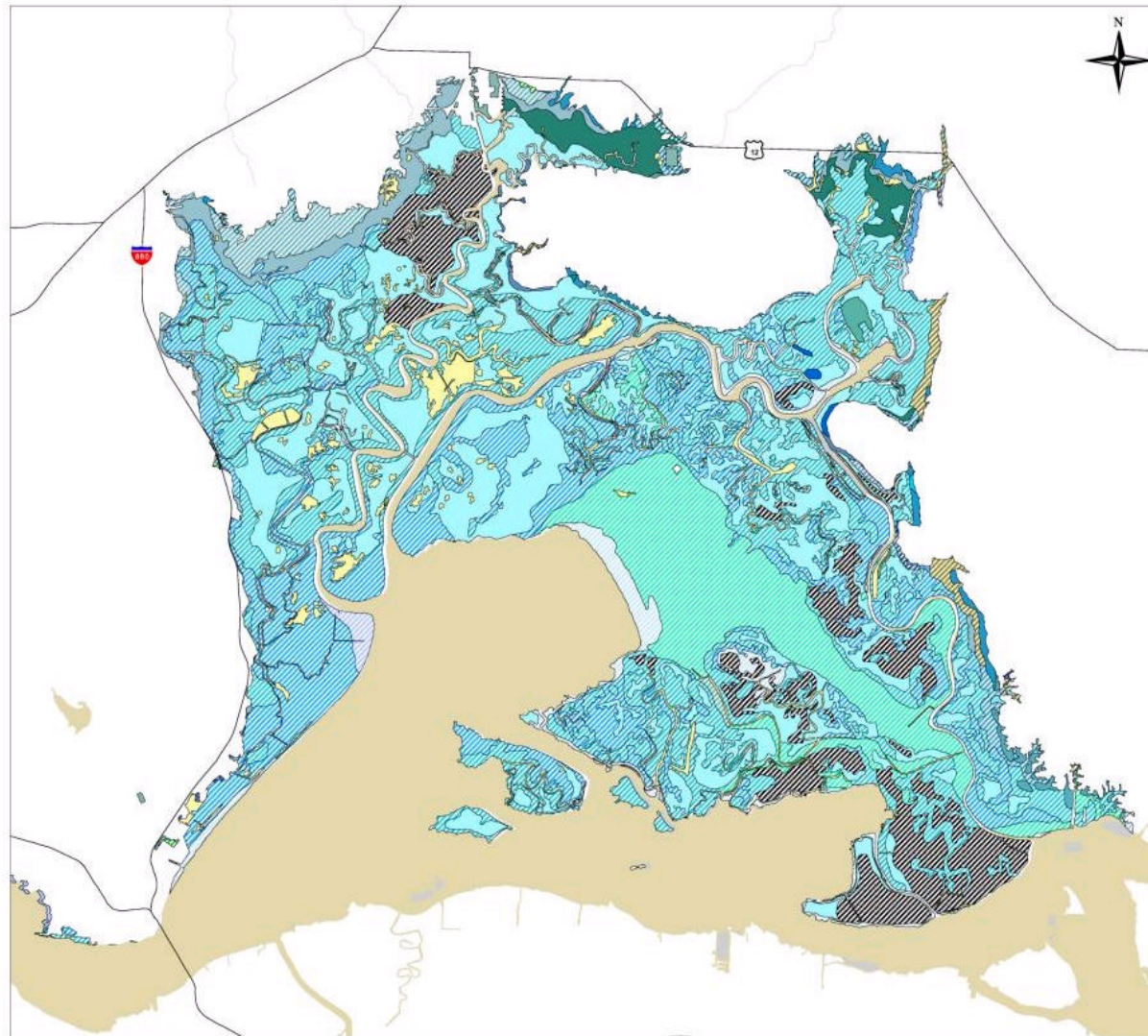
Source: SRCD, DFG

SAN FRANCISCO BAY-DEL PUENTE
SCIENCE CONSORTIUM



2 0 2 Kilometers

Soil Types



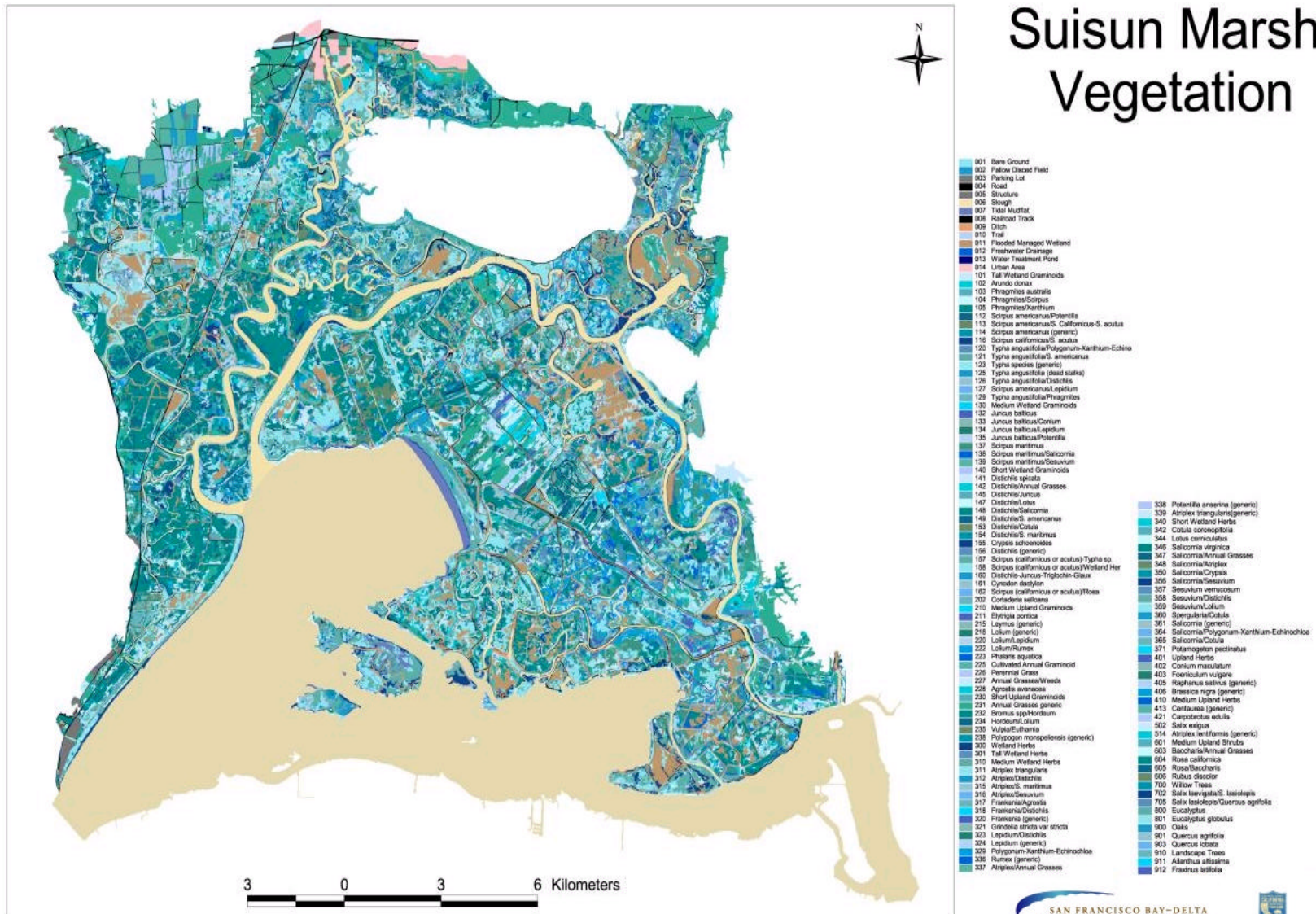
Suisun Marsh Soils

- Altamont clay, 2 to 9 % slopes
- Altamont clay, 9 to 30 % slopes
- Altamont-San Ysidro-San Benito complex, 2 to 9 % slopes
- Altamont-Diablo clays, 2 to 9 % slopes
- Alviso silty clay loam
- Antioch-San Ysidro complex, 0 to 2 % slopes
- Antioch-San Ysidro complex, 2 to 9 % slopes
- Antioch-San Ysidro complex, thick surface, 0 to 2 % slopes
- Antioch-San Ysidro complex, thick surface, 2 to 9 % slopes
- Borrow pit
- Capeay silty clay loam
- Clear Lake clay, 0 to 2 % slopes
- Clear Lake clay, 2 to 5 % slopes
- Clear Lake clay, saline, 0 to 2 % slopes
- Conejo gravelly loam
- Distrito-Ayer clays, 2 to 9 % slopes
- Distrito-Ayer clays, 9 to 30 % slopes, eroded
- Dibble-Los Osos loams, 2 to 9 % slopes
- Dibble-Los Osos clay loams, 2 to 9 % slopes
- Dibble-Los Osos clay loams, 9 to 30 % slopes
- Dibble-Los Osos clay loams, 30 to 90 % slopes, eroded
- Hambright loam, 15 to 40 % slopes
- Jolice muck
- Jolice muck, clay subsoil variant
- Made land
- Millsap sandy loam, 0 to 2 % slopes
- Millsap-Los Osos complex, 2 to 9 % slopes
- Millsap loam, 15 to 30 % slopes
- Millsap loam, moderately deep variant, 2 to 9 % slopes
- Millsap loam, moderately deep variant, 9 to 30 % slopes
- Pescadero clay loam
- Reyes silty clay
- Rincon clay loam, 0 to 2 % slopes
- Rincon clay loam, 2 to 9 % slopes
- San Ysidro sandy loam, 2 to 5 % slopes
- Solano loam
- Solano loam, dark surface variant
- Suisun peaty muck
- Sycamore silty clay loam
- Sycamore silty clay loam, drained
- Sycamore silty clay loam, saline
- Tamisa mucky clay
- Tidal marsh
- Valdez silty loam drained
- Valdez silty clay loam
- Valdez silty clay loam, wet
- Valdez silty clay loam, clay substratum
- Water
- Yolo loam, clay substratum

Source: USDA Soil Survey Geographic (SSURGO) database

Vegetation Classifications

Suisun Marsh Vegetation



Recreation Days per Year

- 50,000 Hunting
- 51,000 Fishing
- 18,000 Miscellaneous:
bird watching,
picnicking, nature
study, photography

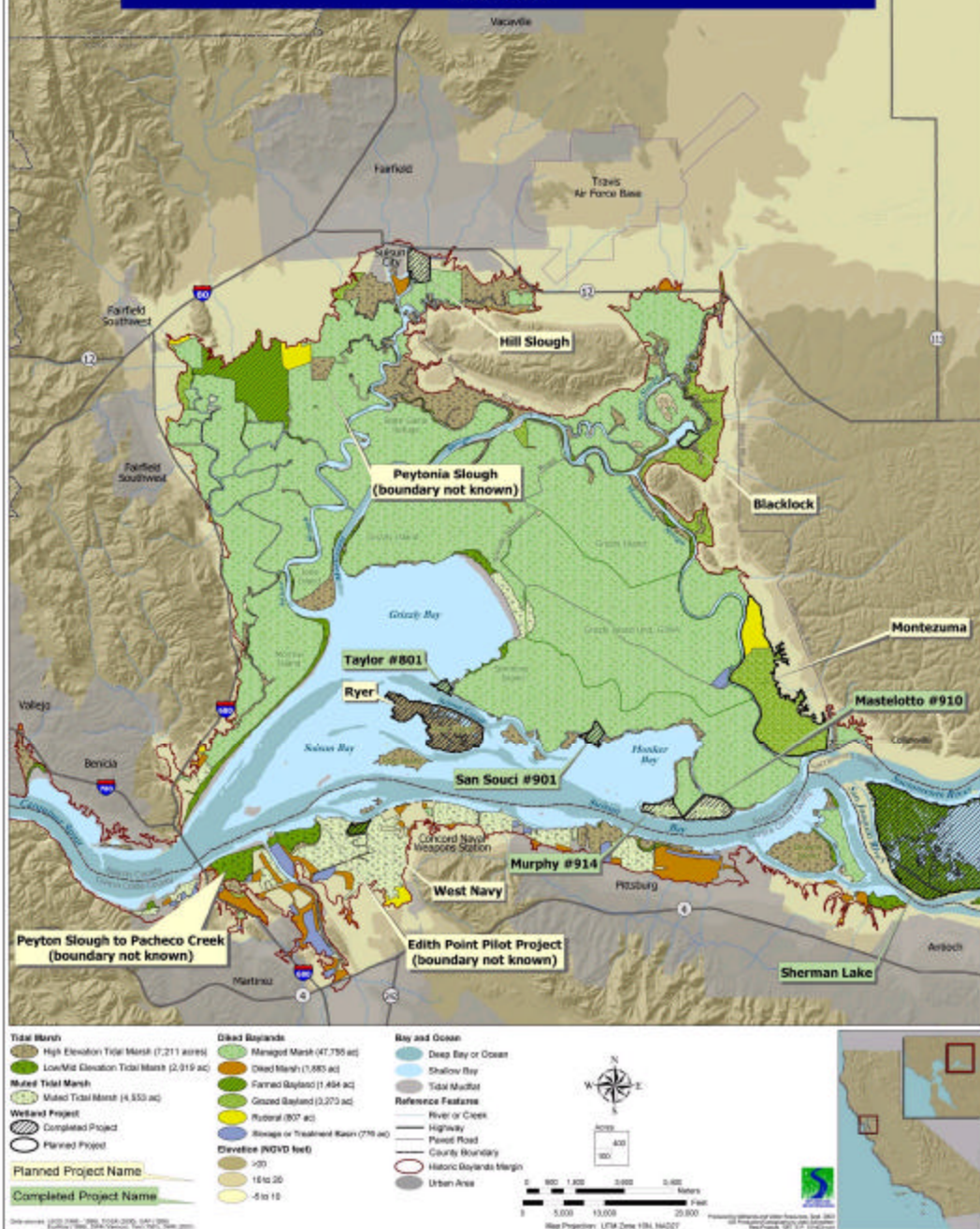


Outside Constraints

- Sea Level Rise
- Proposed Highway 680/80 Bypass
- Petroleum Product Transmission Pipelines
- Urban Encroachment

SUISUN TIDAL WETLAND RESTORATION PROJECTS

Completed and Planned Projects in Suisun Bay, San Francisco Estuary, California
October 2003



Suisun Tidal Wetland Restoration Projects

Wetlands and Water Resources

Suisun Marsh Electronic Atlas



<http://www.delta.dfg.ca.gov/suisunmarsh/atlas/>

or

<http://www.baydeltaconsortium.org/education/>